

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P582590

Luminaire Tested: **HCC6W45D010MB-HM64560830-61WDWB**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582590
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W45D010MB-HM64560830-61WDWB
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

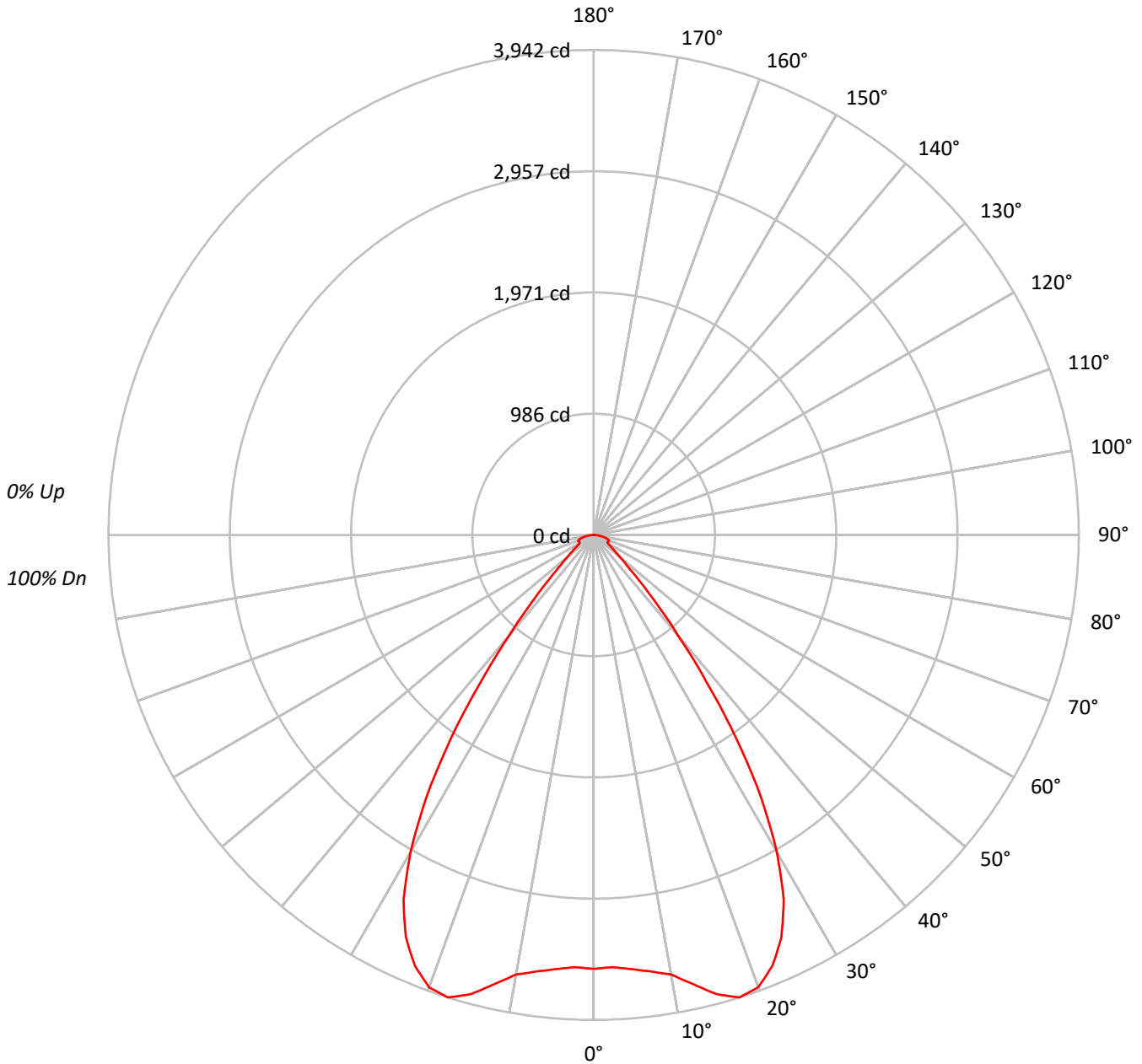
Lumens per Lamp: N/A
Luminaire Lumens: 5183.0 lumens
Efficiency: N/A
Efficacy: 117.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.05
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 44
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582590
CATALOG NUMBER: HCC6W45D010MB-HM64560830-61WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P582590
 CATALOG NUMBER: HCC6W45D010MB-HM64560830-61WDWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75
4	93	85	78	73	91	83	78	73	81	76	72	79	75	71	77	73	70	69
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	60	69	64	60	67	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46
10	66	56	49	45	65	55	49	45	54	48	45	53	48	44	53	48	44	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	193312
5°	194959
10°	201978
15°	219394
20°	228208
25°	218275
30°	188377
35°	135640
40°	76415
45°	39601
50°	23607
55°	17003
60°	14451
65°	16681
70°	21125
75°	22346
80°	21846
85°	20757



TEST NUMBER: P582590
 CATALOG NUMBER: HCC6W45D010MB-HM64560830-61WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.9	6.6
10°-20°	1090.3	21.0
20°-30°	1629.6	31.4
30°-40°	1245.7	24.0
40°-50°	435.1	8.4
50°-60°	165.8	3.2
60°-70°	130.1	2.5
70°-80°	110.0	2.1
80°-90°	35.4	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3060.8	59.1
0°-40°	4306.6	83.1
0°-60°	4907.5	94.7
0°-90°	5183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5183.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3526	
5°	3543	341
15°	3866	1090
25°	3609	1630
35°	2027	1246
45°	511	435
55°	178	166
65°	129	130
75°	106	110
85°	33	35
90°	0	



TEST NUMBER: P582590
CATALOG NUMBER: HCC6W45D010MB-HM64560830-61WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	3526.3
2.5°	3516.4
5°	3542.8
7.5°	3579.1
10°	3628.4
12.5°	3740.5
15°	3865.7
17.5°	3941.5
20°	3911.8
22.5°	3793.2
25°	3608.6
27.5°	3345.0
30°	2975.9
32.5°	2534.3
35°	2026.8
37.5°	1502.7
40°	1067.8
42.5°	748.1
45°	510.8
47.5°	359.2
50°	276.8
52.5°	217.5
55°	177.9
57.5°	145.0
60°	131.8
62.5°	128.6
65°	128.6
67.5°	135.1
70°	131.8
72.5°	122.0
75°	105.5
77.5°	89.0
80°	69.2
82.5°	49.4
85°	33.0
87.5°	13.1
90°	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)